

Application Number: 10/519,216  
Reply Dated: April 16, 2009  
Office Action Dated: December 16, 2008

### **REMARKS**

This amendment is responsive to the Office Action dated December 16, 2008 for which a three (3) month period of response was given. A Petition and fee for a one (1) month extension of time accompany this paper. However, should an additional extension of time and/or any further additional claim fees be due, the Commissioner is hereby authorized to treat this paper as a Petition for any needed extension of time and to charge any fees due to Deposit Account No. 50-0959, Attorney Docket No. 089498.0436.

Claims 1 and 4 through 19 are pending in the present application. Claims 2 and 3 were previously cancelled. Claims 4, 10, 18 and 19 have been amended. Support for the amendments to claims 4, 10, 18 and 19 can be found in the specification as filed (see, e.g., Paragraph [0022] of the published version of the present patent application). Accordingly, no new matter has been added. As such, entry and consideration of the amendments to the claims is believed due and is respectfully requested.

Applicants' undersigned attorney would like to thank the Examiner for the acknowledgement of the allowability of the subject matter of claims 1, 6 through 9 and 11 through 17.

#### **I. The 35 U.S.C. § 102(b) Rejections:**

Claims 4, 5, 18 and 19 have been rejected under 35 U.S.C. § 102(b) over Tennent et al. (United States Patent No. 6,099,960). Tennent et al. relates to high surface area carbon nanofibers that have been functionalized with an outer layer of a porous high surface area polymeric material.

Regarding pending claims 4, 18 and 19, Tennent et al. fails to disclose each and every element of claims 4, 18 and 19. Specifically, Tennent et al. fails to disclose, teach or suggest a fibrous protein-immobilization system composition that utilizes a fiber-forming material selected from the group consisting of nylons, polyesters, polyurethanes, silanes, synthetic polymers, or copolymers thereof (emphasis supplied). Since Tennent et al. does not disclose, teach or suggest each and every element of claims 4, 18 and 19, Tennent et al. cannot anticipate, or render obvious, claims 4, 5, 18 and 19.

Application Number: 10/519,216  
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Thus, for at least the above reason, withdrawal of this 35 U.S.C. § 102(b) rejection of claims 4, 5, 18 and 19 is believed due and is respectfully requested.

Claims 10, 18 and 19 have been rejected under 35 U.S.C. § 102(b) over Iyer et al. (Abstract of Papers, 221st ACS National Meeting, San Diego, CA, April 1 to 5, 2001, ANYL-035). From the brief Abstract provided by the Examiner it is apparent that the immobilization method disclosed in Iyer et al. relates to the immobilization of enzymes onto surfaces supports that are formed on the surface of a cellulose nanofibers with carbon nanotubes immobilization matrices (emphasis supplied).

Regarding pending claims 10, 18 and 19, Iyer et al. fails to disclose each and every element of claims 10, 18 and 19. Specifically, Iyer et al. fails to disclose, teach or suggest a fibrous protein-immobilization system composition that utilizes a fiber-forming material selected from the group consisting of nylons, polyesters, polyurethanes, silanes, synthetic polymers, or copolymers thereof (emphasis supplied). Since Iyer et al. does not disclose, teach or suggest each and every element of claims 10, 18 and 19, Iyer et al. cannot anticipate, or render obvious, claims 10, 18 and 19.

Thus, for at least the above reason, withdrawal of this 35 U.S.C. § 102(b) rejection of claims 10, 18 and 19 is believed due and is respectfully requested.

## II. Conclusion:


Accordingly, reconsideration and withdrawal of the pending 35 U.S.C. § 102(b) rejections of claims 4, 5, 10, 18 and 19 is believed due and is respectfully requested.

For at least the foregoing reasons, claims 1 and 3 through 19 of the present application are believed to be in condition for allowance, and a Notice of Allowance is respectfully requested.

Application Number: 10/519,216  
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Should the Examiner wish to discuss any of the foregoing in more detail, the undersigned attorney would welcome a telephone call.

Respectfully submitted,

  
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